

rdbstats  
2.0.7

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<b>1 rdbstats</b>	<b>1</b>
1.1 Copyright . . . . .	1
<b>2 Hierarchical Index</b>	<b>3</b>
2.1 Class Hierarchy . . . . .	3
<b>3 Class Index</b>	<b>5</b>
3.1 Class List . . . . .	5
<b>4 Class Documentation</b>	<b>7</b>
4.1 RdbStats Class Reference . . . . .	7
4.1.1 Detailed Description . . . . .	8
4.2 RdbStatsAve Class Reference . . . . .	8
4.2.1 Detailed Description . . . . .	9
4.3 RdbStatsPercentiles Class Reference . . . . .	9
4.3.1 Detailed Description . . . . .	10
4.4 RdbStatsPercentilesAve Class Reference . . . . .	10
4.4.1 Detailed Description . . . . .	12
4.5 RdbStatsPercentilesMed Class Reference . . . . .	12
4.5.1 Detailed Description . . . . .	13
4.6 SelectedCols Class Reference . . . . .	13
4.6.1 Detailed Description . . . . .	14
4.7 StatsResult< Type > Class Template Reference . . . . .	14
4.7.1 Detailed Description . . . . .	14



# Chapter 1

## rdbstats

### 1.1 Copyright

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## Chapter 2

# Hierarchical Index

### 2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

RdbStats . . . . .	7
RdbStatsAve . . . . .	8
RdbStatsPercentiles . . . . .	9
RdbStatsPercentilesAve . . . . .	10
RdbStatsPercentilesMed . . . . .	12
SelectedCols . . . . .	13
StatsResult< Type > . . . . .	14





## Chapter 3

# Class Index

### 3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

<a href="#">RdbStats</a>	The base class to calculate : average, maximum, minimum, num, stddev and sum . . . . .	7
<a href="#">RdbStatsAve</a>	To normalize the results wrt to the average . . . . .	8
<a href="#">RdbStatsPercentiles</a>	A class to calculate the percentiles, <a href="#">RdbStatsPercentiles</a> isA special case of the class <a href="#">RdbStats</a> . . .	9
<a href="#">RdbStatsPercentilesAve</a>	A class to calculate the percentiles, <a href="#">RdbStatsPercentilesAve</a> isA special case of the class <a href="#">RdbStatsPercentiles</a> . . . . .	10
<a href="#">RdbStatsPercentilesMed</a>	A class to calculate the percentiles, <a href="#">RdbStatsPercentilesMed</a> isA special case of the class <a href="#">RdbStatsPercentiles</a> . . . . .	12
<a href="#">SelectedCols</a>	A class to figure out the name of the columns for which the statistics are to be calculated . . . . .	13
<a href="#">StatsResult&lt; Type &gt;</a>	A container class to hold the relevant data for the rdb data columns . . . . .	14



## Chapter 4

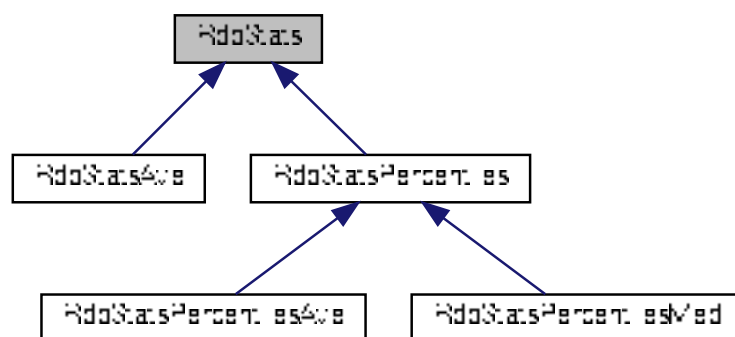
# Class Documentation

### 4.1 RdbStats Class Reference

The base class to calculate : average, maximum, minimum, num, stddev and sum.

```
#include <RdbStats.h>
```

Inheritance diagram for RdbStats:



#### Public Member Functions

- virtual int [calculate\\_statistics](#) ()  
*Perform the final statistic for the set.*
- double [get\\_absolute\\_average](#) () const  
*To get the absolute value of the average.*
- virtual void [update\\_statistics](#) ()  
*Read the column from RDB++, update the statistics for the column.*

### 4.1.1 Detailed Description

The base class to calculate : average, maximum, minimum, num, stddev and sum.

The derived classes are: RdbStatsPercentile, RdbStatsQuartile.

Definition at line 39 of file RdbStats.h.

The documentation for this class was generated from the following files:

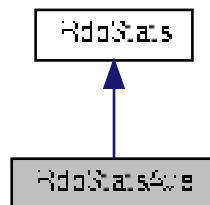
- RdbStats.h
- RdbStats.cc

## 4.2 RdbStatsAve Class Reference

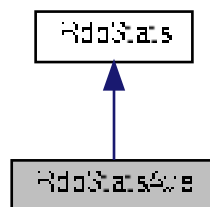
To normalize the results wrt to the average.

```
#include <RdbStatsAve.h>
```

Inheritance diagram for RdbStatsAve:



Collaboration diagram for RdbStatsAve:



## Public Member Functions

- virtual int [calculate\\_statistics](#) ()  
*Perform the final statistic for the set.*

### 4.2.1 Detailed Description

To normalize the results wrt to the average.

Definition at line 33 of file RdbStatsAve.h.

The documentation for this class was generated from the following files:

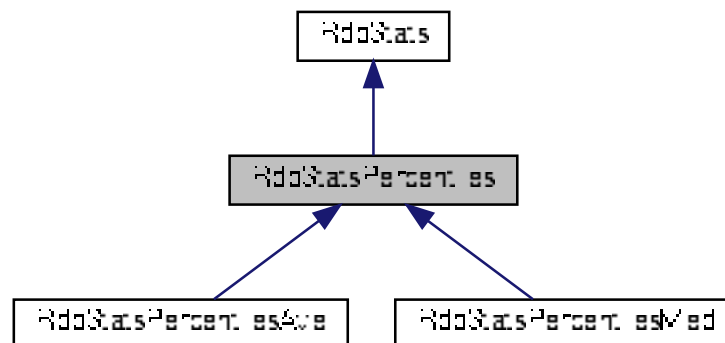
- RdbStatsAve.h
- RdbStatsAve.cc

## 4.3 RdbStatsPercentiles Class Reference

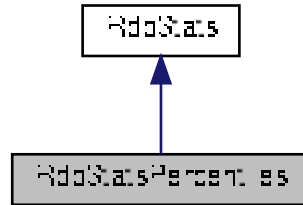
A class to calculate the percentiles, [RdbStatsPercentiles](#) is a special case of the class [RdbStats](#).

```
#include <RdbStatsPercentiles.h>
```

Inheritance diagram for RdbStatsPercentiles:



Collaboration diagram for RdbStatsPercentiles:



## Public Member Functions

- [RdbStatsPercentiles](#) (RDB &irdbtable, const std::string &name, const std::string &percent\_list, bool implicitquartile)  
*—percentiles 12,34.. and —quartile*
- virtual int [calculate\\_statistics](#) ()  
*Perform the final statistic for the set.*
- virtual void [update\\_statistics](#) ()  
*Read the column from RDB++, update the statistics for the column.*

### 4.3.1 Detailed Description

A class to calculate the percentiles, [RdbStatsPercentiles](#) is a special case of the class [RdbStats](#).

Definition at line 37 of file `RdbStatsPercentiles.h`.

The documentation for this class was generated from the following files:

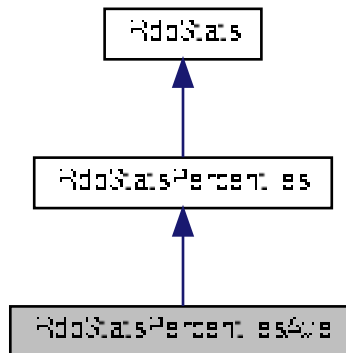
- `RdbStatsPercentiles.h`
- `RdbStatsPercentiles.cc`

## 4.4 RdbStatsPercentilesAve Class Reference

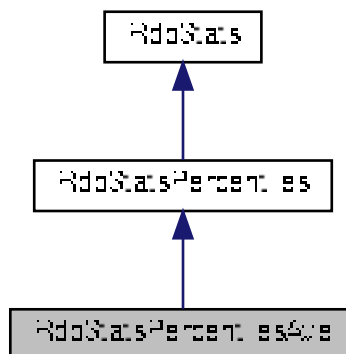
A class to calculate the percentiles, [RdbStatsPercentilesAve](#) is a special case of the class [RdbStatsPercentiles](#).

```
#include <RdbStatsPercentilesAve.h>
```

Inheritance diagram for RdbStatsPercentilesAve:



Collaboration diagram for RdbStatsPercentilesAve:



## Public Member Functions

- virtual int [calculate\\_statistics](#) ()  
*Perform the final statistic for the set.*

### 4.4.1 Detailed Description

A class to calculate the percentiles, [RdbStatsPercentilesAve](#) is a special case of the class [RdbStatsPercentiles](#).

Definition at line 35 of file `RdbStatsPercentilesAve.h`.

The documentation for this class was generated from the following files:

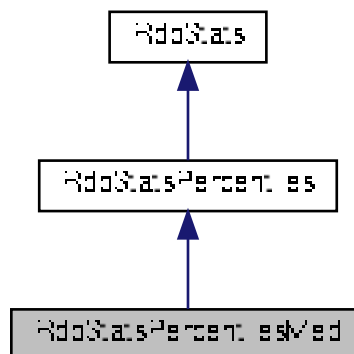
- `RdbStatsPercentilesAve.h`
- `RdbStatsPercentilesAve.cc`

## 4.5 RdbStatsPercentilesMed Class Reference

A class to calculate the percentiles, [RdbStatsPercentilesMed](#) is a special case of the class [RdbStatsPercentiles](#).

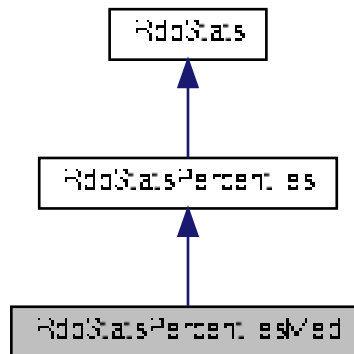
```
#include <RdbStatsPercentilesMed.h>
```

Inheritance diagram for `RdbStatsPercentilesMed`:





Collaboration diagram for RdbStatsPercentilesMed:



## Public Member Functions

- virtual int [calculate\\_statistics](#) ()  
*Perform the final statistic for the set.*

### 4.5.1 Detailed Description

A class to calculate the percentiles, [RdbStatsPercentilesMed](#) is a special case of the class [RdbStatsPercentiles](#).

Definition at line 34 of file RdbStatsPercentilesMed.h.

The documentation for this class was generated from the following files:

- RdbStatsPercentilesMed.h
- RdbStatsPercentilesMed.cc

## 4.6 SelectedCols Class Reference

A class to figure out the name of the columns for which the statistics are to be calculated.

```
#include <SelectedCols.h>
```

### 4.6.1 Detailed Description

A class to figure out the name of the columns for which the statistics are to be calculated.

The users can select all column by specifying with the `--all` option. The user can specify the selected columns by listing the column names in conjunction with the `-d` option to override the column definition.

Definition at line 48 of file `SelectedCols.h`.

The documentation for this class was generated from the following files:

- `SelectedCols.h`
- `SelectedCols.cc`

## 4.7 StatsResult< Type > Class Template Reference

A container class to hold the relevant data for the rdb data columns.

```
#include <StatsResult.h>
```

### Protected Attributes

- Type & [rdb\\_stats\\_columns](#)  
*The reference to the selected rdb data column.*
- RDB & [ordbtable](#)  
*The reference to the output rdb table.*

### 4.7.1 Detailed Description

```
template<class Type>  
class StatsResult< Type >
```

A container class to hold the relevant data for the rdb data columns.

Definition at line 36 of file `StatsResult.h`.

The documentation for this class was generated from the following files:

- `StatsResult.h`
- `StatsResult.cc`

# Index

RdbStats, [7](#)  
RdbStatsAve, [8](#)  
RdbStatsPercentiles, [9](#)  
RdbStatsPercentilesAve, [10](#)  
RdbStatsPercentilesMed, [12](#)  
  
SelectedCols, [13](#)  
StatsResult< Type >, [14](#)